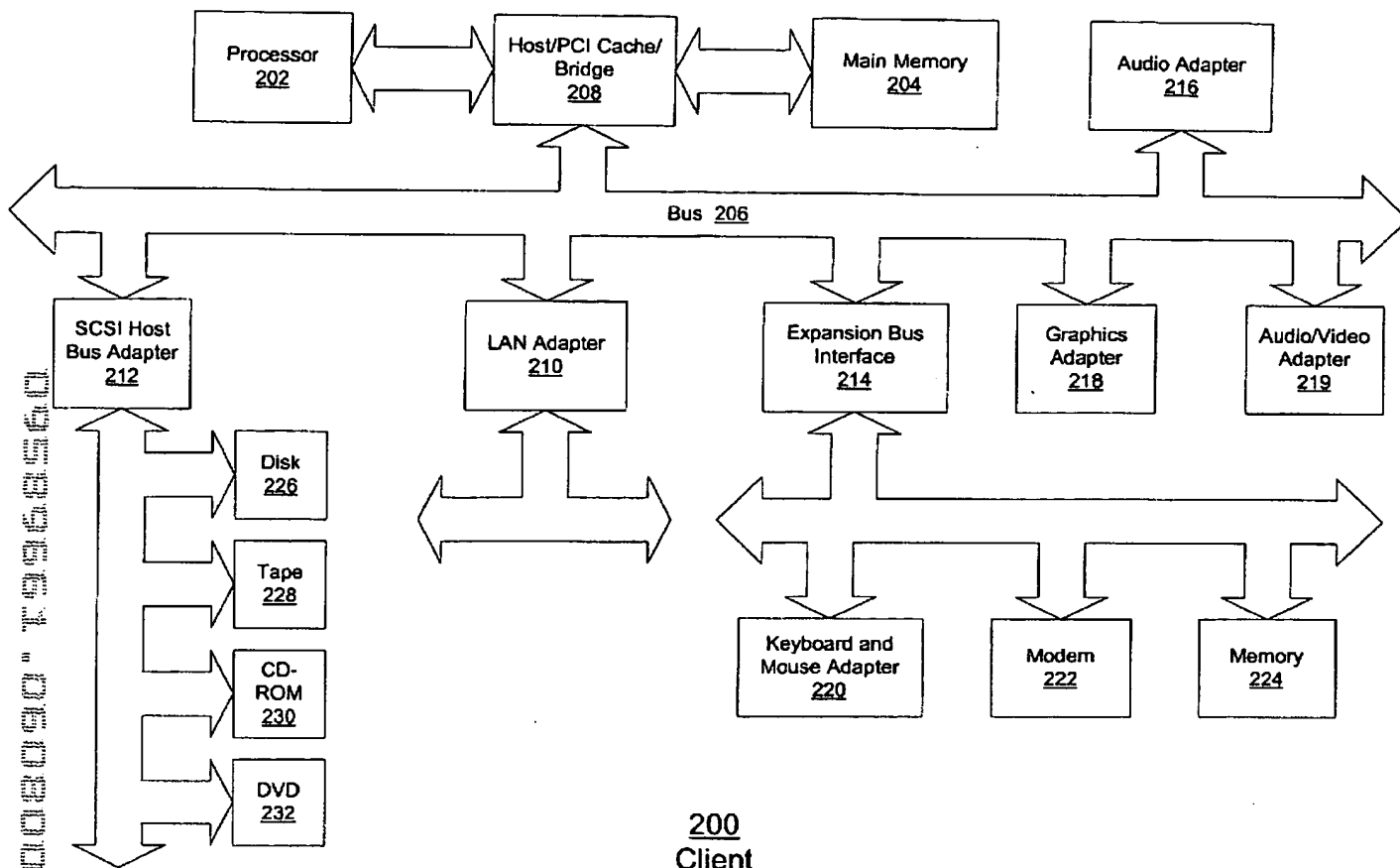


100
Network
Figure 1

AUS990938US1



200
Client

Figure 2

AUS990938US1

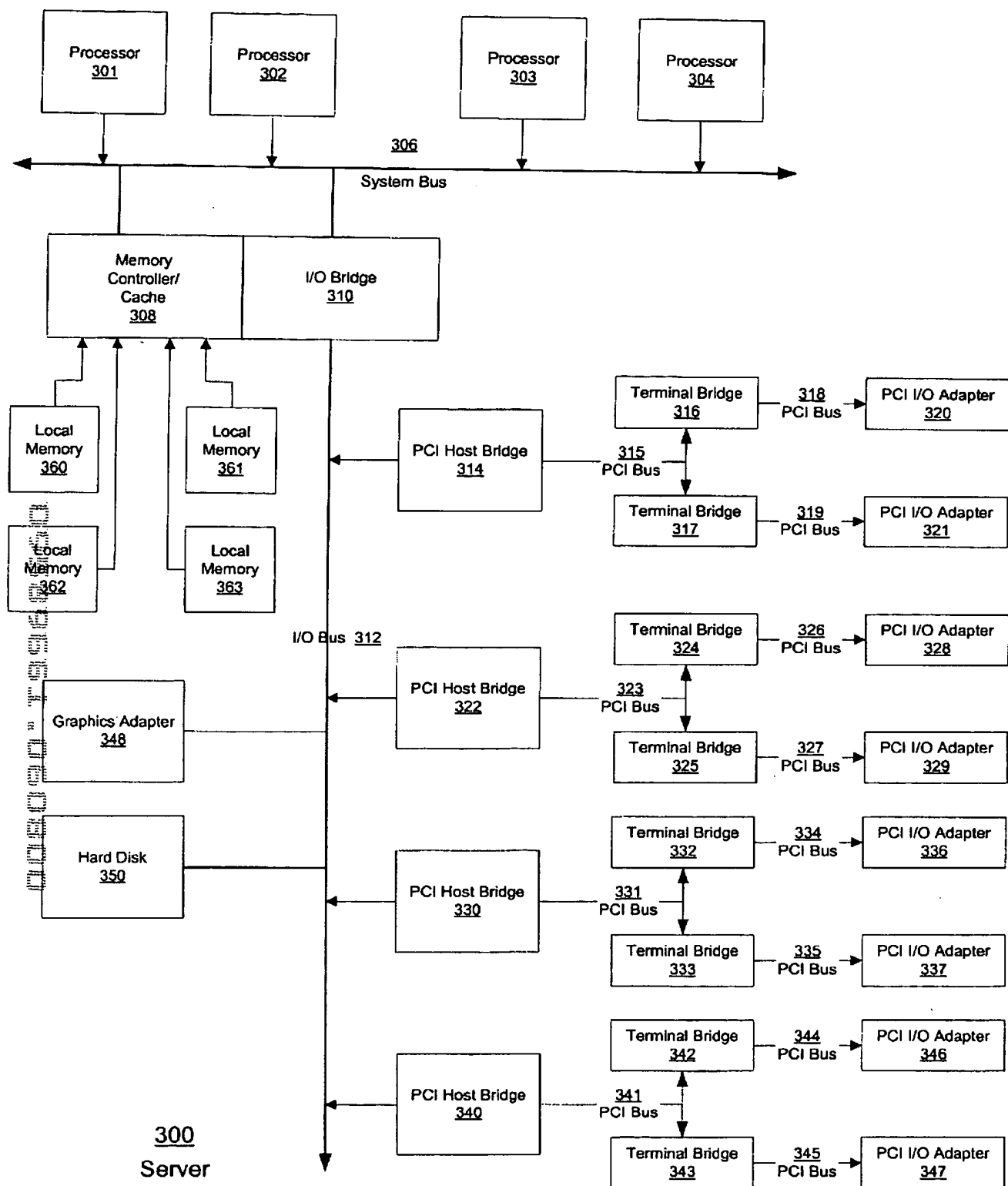


Figure 3

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The diagram illustrates a Logically Partitioned Platform 400. At the top, four separate boxes represent Operating Systems (OS) 402, 404, 406, and 408. Each OS box is connected by a vertical line to a large central box labeled Partitioned Hardware 430. Inside this central box, there are four Processor units (432, 434, 436, 438) and four Memory units (440, 442, 444, 446) arranged in two rows. A Storage unit 470 is positioned between the two rows of processors. To the right of the processors, there are eight I/O Adapter units (448, 450, 452, 454, 456, 458, 460, 462) arranged in two columns. Below the Partitioned Hardware 430 box is a large box labeled Shared Single Hardware 420. Inside this box, there is a Console 422 on the left and an Operator Panel 424 on the right.

OS
402

OS
404

OS
406

OS
408

Processor
432

Processor
434

Processor
436

Processor
438

Storage
470

Memory
440

Memory
442

Memory
444

Memory
446

Partitioned Hardware
430

I/O Adapter
448

I/O Adapter
450

I/O Adapter
452

I/O Adapter
454

I/O Adapter
456

I/O Adapter
458

I/O Adapter
460

I/O Adapter
462

Console
422

Shared Single Hardware
420

Operator Panel
424

400
Logically Partitioned Platform

(Prior Art)

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Diagram illustrating a Logically Partitioned Platform 500, which is managed by a Hypervisor 510.

The platform is divided into two main sections:

- Hypervisor 510:** Manages four Operating Systems (OS 402, OS 404, OS 406, OS 408).
- Partitioned Hardware 430:** Contains the physical hardware resources, including:
 - Processors: 432, 434, 436, 438
 - Memory: 440, 442, 444, 446
 - Storage: 470
 - I/O Adapters: 448, 450, 452, 454, 456, 458, 460, 462

A Hardware System Console 580 is connected to the platform.

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```

graph TD
    Start([Start]) --> 601[Receive request.  
601]
    601 --> 602{Is request to send or get  
data?  
602}
    602 -- Send --> 604[Determine to which OS partition the received  
data originated.  
604]
    602 -- Get --> 610[Determine which OS partition  
requested data.  
610]
    604 --> 606[Encapsulate data onto a message stream.  
606]
    606 --> 608[Send message stream to hardware system  
console.  
608]
    608 --> Stop([Stop])
    610 --> 612{Is partition's data  
buffer empty?  
612}
    612 -- NO --> 614[Send message from  
partition's data buffer to  
requesting OS image.  
614]
    612 -- YES --> 616[Send Null message to  
requesting OS image.  
616]
    614 --> Stop
    616 --> Stop
  
```

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00000000000000000000000000000000

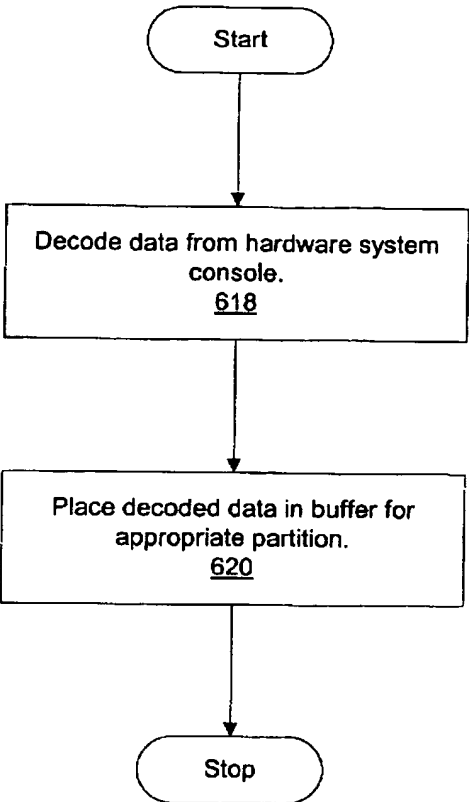


Figure 6B

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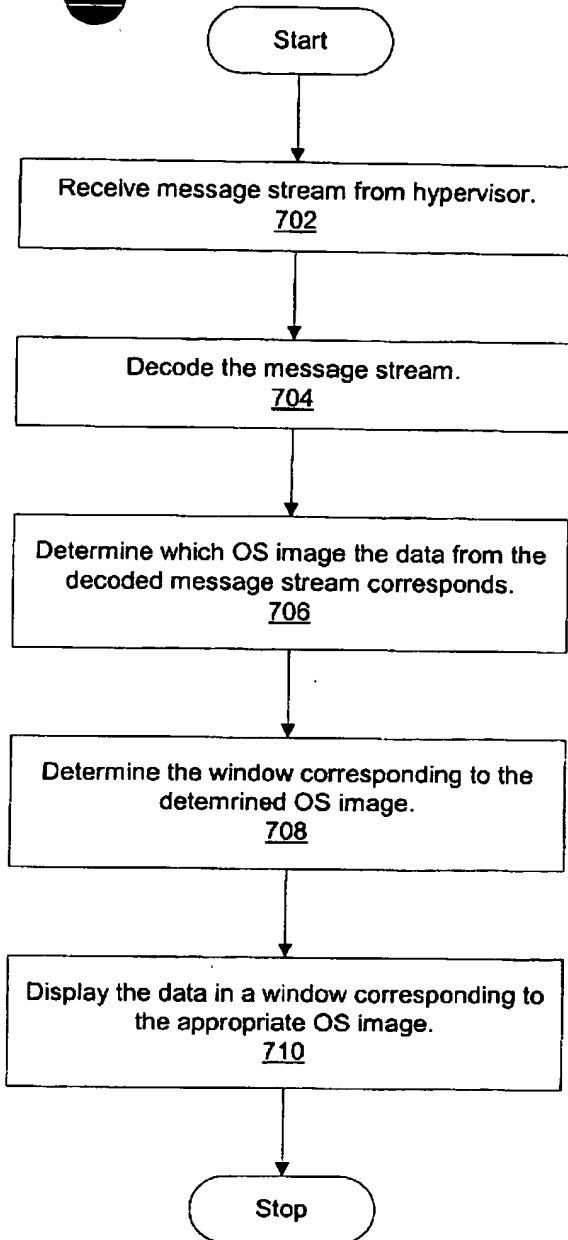


Figure 7.

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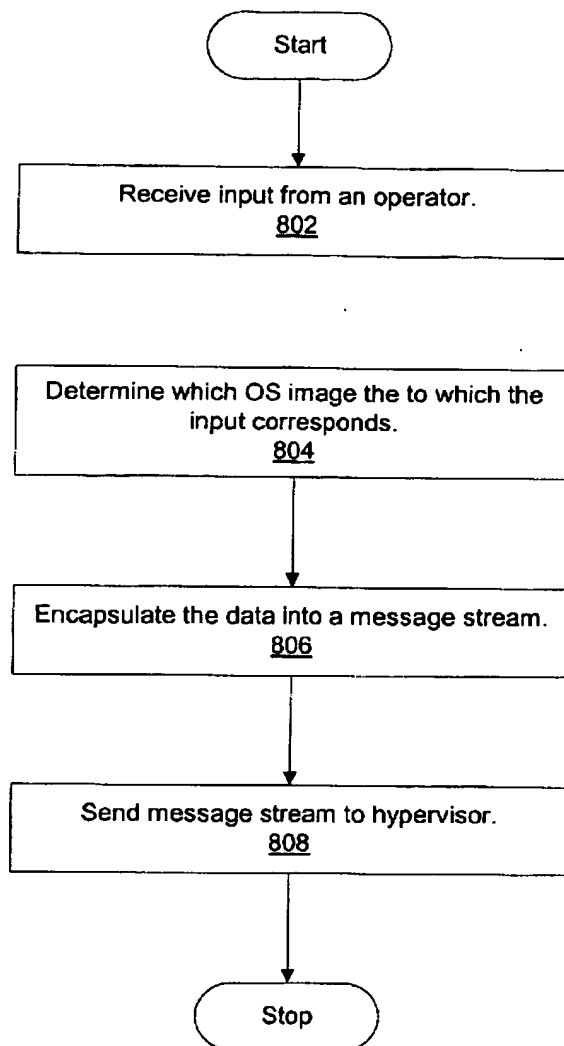


Figure 8

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